

| L Number | Hits | Search Text | DB | Time stamp |
|----------|---------|--|------------------------------------|------------------|
| 1 | 30267 | 428/694\$ or 428/64.\$ or 428/65.\$ or 427/12\$ or 427/130 or 427/131 or 360/\$ and "near Infrared laser" | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:47 |
| 2 | 9838 | (428/694\$ or 428/64.\$ or 428/65.\$ or 427/12\$ or 427/130 or 427/131 or 360/\$ and "near Infrared laser") and carbon | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:47 |
| 3 | 416 | ((428/694\$ or 428/64.\$ or 428/65.\$ or 427/12\$ or 427/130 or 427/131 or 360/\$ and "near Infrared laser") and carbon) and Va | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:48 |
| 4 | 6 | ((((428/694\$ or 428/64.\$ or 428/65.\$ or 427/12\$ or 427/130 or 427/131 or 360/\$ and "near Infrared laser") and carbon) and Va) and (Va same laser)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:49 |
| 5 | 0 | ((((428/694\$ or 428/64.\$ or 428/65.\$ or 427/12\$ or 427/130 or 427/131 or 360/\$ and "near Infrared laser") and carbon) and Va) and ("near IR" same laser)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:49 |
| 6 | 8 | ((428/694\$ or 428/64.\$ or 428/65.\$ or 427/12\$ or 427/130 or 427/131 or 360/\$ and "near Infrared laser") and carbon) and ("near IR" same laser) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:53 |
| 7 | 2 | 428/694\$ and ("near IR" same laser) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:54 |
| 8 | 2 | 428/694\$ and ("near IR" with laser) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:35 |
| 9 | 493218 | 204/(192.2 or 192.3 or 192.35 or 192.34) and carbon and laser | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:42 |
| 10 | 87845 | (204/(192.2 or 192.3 or 192.35 or 192.34) and carbon and laser) and magnetic | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:51 |
| 11 | 1889 | ((204/(192.2 or 192.3 or 192.35 or 192.34) and carbon and laser) and magnetic) and BUMP | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:51 |
| 12 | 378 | ((204/(192.2 or 192.3 or 192.35 or 192.34) and carbon and laser) and magnetic) and BUMP) and (IR or infrared) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:53 |
| 13 | 248191 | 427/("127" or "130" or "131") and ("near ir" or "near infrared") | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:55 |
| 14 | 1315689 | 427/("127" or "130" or "131") | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:56 |
| 15 | 1318314 | (427/("127" or "130" or "131")) carbon and ("near ir" or "near infrared") and laser | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 13:26 |
| 16 | 16242 | ((427/("127" or "130" or "131")) carbon and ("near ir" or "near infrared") and laser) and bump | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 13:27 |
| 17 | 1173259 | 264/("400" or "497") | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 13:28 |

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|----|--------|---|---|--------------------|
| 18 | 37 | (264/("400" or "497")) and carbon and ("near ir" or "near infrared") and laser and bump | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 13:29 |
| 19 | 13 | ((428/694\$ or 428/64.\$ or 428/65.\$ or 427/12\$ or 427/130 or 427/131 or 360/\$ and "near Infrared laser") and carbon) and carbon and ("near ir" or "near infrared") and laser and bump | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 13:29 |
| - | 113263 | (428/694\$ or 428/64.\$ or 428/65.\$ or 427/12\$ or 427/130 or 427/131 or 360/\$).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/04/28 13:38 |
| - | 3 | "6299947" or "6483666" | USPAT | 2004/04/28 12:16 |
| - | 901 | "13" and sputter\$ | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2004/04/28 12:17 |
| - | 3 | ("6299947" or "6483666") and sputter\$ | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2004/04/28 13:29 |
| - | 0 | (428/694\$ or 428/64.\$ or 428/65.\$ or 427/12\$ or 427/130 or 427/131 or 360/\$).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 1000600\$Y28C13:38 |
| - | 75130 | 428/694\$ or 428/64.\$ or 428/65.\$ or 427/12\$ or 427/130 or 427/131 or 360/\$ | USPAT | 2004/04/28 13:39 |
| - | 3 | ("6299947" or "6483666") and (bump with laser) | USPAT; US-PGPUB | 2004/04/28 14:10 |
| - | 278 | (360/\$ or 369/\$) and (bump with laser) | USPAT; US-PGPUB | 2004/04/28 14:17 |
| - | 38 | ((360/\$ or 369/\$) and (bump with laser)) and (laser same (IR or infrared)) | USPAT; US-PGPUB | 2004/04/28 14:22 |
| - | 9 | ((360/\$ or 369/\$) and (bump with laser)) and (laser same (IR or infrared))) and (carbon same laser) | USPAT; US-PGPUB | 2004/04/28 14:41 |
| - | 0 | "09947287" | US-PGPUB | 2004/04/28 14:41 |
| - | 1 | "09/947287" | US-PGPUB | 2004/04/28 14:42 |
| - | 2 | "6669986" | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/05 15:10 |
| - | 2 | "20020192502" | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/05 15:17 |
| - | 1 | "6483666" | USPAT | 2004/05/12 14:15 |
| - | 2 | "6299947" | USPAT | 2004/05/12 14:16 |
| - | 56 | 264/428 | USPAT | 2004/05/12 14:39 |
| - | 16 | 264/428 and carbon | USPAT | 2004/05/12 14:39 |
| - | 19 | 264/428 and carbon | USPAT; US-PGPUB; EPO; JPO | 2004/05/12 14:43 |
| - | 91 | 264/482 and carbon | USPAT; US-PGPUB; EPO; JPO | 2004/05/12 15:14 |
| - | 3802 | 427/130 | USPAT; US-PGPUB; EPO; JPO | 2004/05/12 15:15 |
| - | 257 | 427/130 and laser | USPAT; US-PGPUB; EPO; JPO | 2004/05/12 15:15 |
| - | 117 | (427/130 and laser) and carbon | USPAT; US-PGPUB; EPO; JPO | 2004/05/12 15:15 |
| - | 16 | ((427/130 and laser) and carbon) and bump | USPAT; US-PGPUB; EPO; JPO | 2004/05/12 15:39 |

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|---|--------|---|------------------------------|------------------|
| - | 469511 | 204/(192.2 or 192.3 or 192.34 or 192.35) | USPAT; US-PGPUB; EPO; JPO | 2004/05/12 15:40 |
| - | 50463 | (204/(192.2 or 192.3 or 192.34 or 192.35)) and laser | USPAT; US-PGPUB; EPO; JPO | 2004/05/12 15:40 |
| - | 11714 | ((204/(192.2 or 192.3 or 192.34 or 192.35)) and laser) and carbon | USPAT; US-PGPUB; EPO; JPO | 2004/05/12 15:41 |
| - | 332 | ((204/(192.2 or 192.3 or 192.34 or 192.35)) and laser) and carbon) and bump | USPAT; US-PGPUB; EPO; JPO | 2004/05/12 15:41 |
| - | 196 | ((204/(192.2 or 192.3 or 192.34 or 192.35)) and laser) and carbon) and bump) and magnetic | USPAT; US-PGPUB; EPO; JPO | 2004/05/12 15:41 |
| - | 97 | ((204/(192.2 or 192.3 or 192.34 or 192.35)) and laser) and carbon) and bump) and magnetic) and (medium or media) | USPAT; US-PGPUB; EPO; JPO | 2004/05/12 15:43 |

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Professor Fritz J. Friedlaender, Purdue University, generously donated the collection of IEEE Transactions on Magnetics, 1965-1987, that was used in

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AND, OR, and NOT will help.**1****Dictionary Terms**

D **near-infrared radiation** [ELECTROMAGNETISM] Infrared radiation having a relatively short wavelength, between 0.75 and about 2.5 micrometers (some scientists place the upper limit from 1.5 to 3 micrometers), at which radiation can be detected by photoelectric cells, and which corresponds in frequency range to the lower electronic energy levels of molecules and semiconductors. Also known as photoelectric infrared radiation.
{ 'nir-in-fra-red-rād-ē-shən }

Relevance Score: **0.08**

D **near-infrared spectrophotometry** [ANALYTICAL CHEMISTRY] Spectrophotometry at wavelengths in the near-infrared region, generally using instruments with quartz prisms in the monochromators and lead sulfide photoconductor cells as detectors to observe absorption bands which are harmonics of bands at longer wavelengths.
{ 'nir-in-fra-red-spek-trō-fə-täm-ə-trē }

Relevance Score: **0.08****1**Customer Privacy Notice

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